<u>IN THE CLAIMS</u>:

The following is a complete listing of the claims. This listing replaces all earlier versions and listings of the claims.

Claim 1 (currently amended): An information processor for generating printing data to be transmitted to a printer comprising:

~~a spooler~~ <u>an intermediate code conversion unit</u> for converting data to be printed which is generated by an application into a print job <u>of an intermediate code format</u> and temporarily storing the print job <u>in association with print setting information for the data to be printed</u>;

a composition instructing unit for instructing a plurality of print jobs ~~corresponding to the different data to be printed~~ <u>of the intermediate code format converted by said intermediate code conversion unit</u> to be composed together so as to generate one composed job; [[and]]

a ~~setting unifier~~ <u>discrimination unit</u> for analyzing the print setting information of [[a]] <u>the</u> plurality of print jobs <u>stored by said intermediate code conversion unit</u> when [[the]] <u>said</u> composition instructing unit instructs the plurality of print jobs to be composed together so as to obtain one composed job, and ~~generating print setting information for the composed job in which information that can be respectively merely set to one print job is unified.~~ <u>for discriminating whether the plurality of print jobs have a same print setting or different print settings for a certain print setting item for which each print job is allowed to have one unique print setting;</u>

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a confirmation message display unit for, if said discrimination unit discriminates that the plurality of print jobs have different print settings for the print setting item, displaying a confirmation message indicating that the different print settings should be unified to a common print setting; and

a setting unifier unit for generating the print setting information for the composed job based on the common print setting, after said confirmation message display unit displays the confirmation message.

Claim 2 (currently amended): [[The]] An information processor according to claim 1, wherein said discrimination unit discriminates that the plurality of print jobs have different print settings for the print setting item, and said setting unifier further includes a recognizing unit for recognizing to select whether confirmation message display unit displays a confirmation message for selection between a process in which the settings are unified [[or]] and a process in which the print jobs are not composed together when the print setting information of a plurality of print jobs to be composed together is respectively analyzed and the information which can be set only to one print job is mutually different.

Claim 3 (currently amended): [[The]] An information processor according to claim 1, wherein said spooler converts the data to be printed into the print job of intermediate code format and intermediate code conversion unit temporarily stores the print job of the intermediate code format as a page description file by a page unit.

Claim 4 (currently amended): [[The]] An information processor according to claim 3, wherein information for designating the page description file laid out on a physical page is added to the print setting information of [[said]] the composed job.

Claim 5 (currently amended): [[The]] An information processor according to claim 1, wherein [[said]] the print setting information is temporarily stored as a print setting file of each print job.

Claim 6 (currently amended): [[The]] An information processor according to claim 1, further comprising a preview display controller for controlling a preview based on the print setting information of the print jobs or the composed job to be displayed.

Claim 7 (currently amended): [[The]] An information processor according to claim 1, further comprising an order controller for operating [[a]] on the plurality of print jobs in [[said]] the composed job to reshuffle the order of the print jobs.

Claim 8 (currently amended): [[The]] An information processor according to claim 1, further comprising a job cancelling unit for operating [[a]] on the plurality of print jobs in [[said]] the composed job to cancel a specific print job.

Claim 9 (currently amended): [[The]] An information processor according to claim 1, further comprising a job divider for dividing [[said]] the composed job into a plurality of print jobs before they are joined together.

Claim 10 (currently amended): [[The]] An information processor according to claim 1, further comprising a job duplicating unit for designating [[said]] the print job or [[said]] the composed job to prepare the duplication of the designated print job.

Claim 11 (currently amended): [[The]] An information processor according to claim 3, wherein said print job or said composed job further includes comprising a setting initializing unit for returning the intermediate code format as the base of the job to an initial state upon preparation of the data.

Claim 12 (currently amended): [[The]] An information processor according to claim 1, further comprising a page editing unit for cancelling a page designated relative to a logical page in [[said]] the print job or [[said]] the composed job.

Claim 13 (currently amended): [[The]] An information processor according to claim 3, further comprising a printing data generator for generating the printing data to be transmitted to [[said]] the printer on the basis of the data of the intermediate code format which is temporarily stored by said spooler intermediate code conversion unit.

Claim 14 (currently amended): [[The]] An information processor according to claim 13, further comprising:

a description instruction generator for converting the data of the intermediate code format temporarily stored by said spooler intermediate code conversion

unit into a description instruction which can be interpreted by the description unit of an OS and outputting the converted data;

a print instruction allocator for sending a print instruction received through the description unit of the OS from [[said]] the application to said intermediate data converter and sending the print instruction received through the description unit of the OS from [[the]] said description instruction generator to said printing data generator.

Claim 15 (currently amended): [[The]] An information processor according to claim 14, wherein [[said]] the description instruction is a GDI function, [[said]] the print instruction is a DDI function and [[said]] the printing data is a printer language.

Claim 16 (currently amended): [[The]] An information processor according to claim 1, further comprising a composed job information generator for generating the layout information of [[said]] the composed job on the basis of the layout information of [[a]] the plurality of print jobs when said composition instructing unit instructs [[a]] the plurality of print jobs to be composed together so as to have one composed job.

Claim 17 (currently amended): [[The]] An information processor according to claim 16, wherein said composed job information generator generates the layout information of the composed job for each physical page on the basis of the layout information of [[a]] the plurality of print jobs.

Claim 18 (currently amended): [[The]] An information processor according to claim 16, further comprising a layout unification instructing unit for instructing the layout information of [[said]] the composed job to be unified, wherein said composed job information generator unifies the layout information of [[said]] the composed job by all the physical pages when said layout unification instructing unit instructs the layout information to be unified.

Claim 19 (currently amended): [[The]] An information processor according to claim 18, wherein said composed job information generator unifies the layout information of [[said]] the composed job to prescribed layout information.

Claim 20 (currently amended): [[The]] An information processor according to claim 18, wherein said composed job information generator unifies the layout information of [[said]] the composed job to the layout information of the print job corresponding to a first physical page in [[said]] the composed job.

Claim 21 (currently amended): [[The]] An information processor according to claim 16, wherein said composed job information generator counts the number of logical pages of [[said]] the composed job and determines the arrangement of the logical pages in the physical pages for each physical page on the basis of the layout information.

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Claim 22 (currently amended): [[The]] An information processor according to claim 21, further comprising a close arrangement instructing unit for instructing the logical pages of each print job to be closely arranged[[;]],

wherein said composed job information generator determines to closely arrange the logical pages in the physical pages when a close arrangement is instructed by said close arrangement instructing unit.

Claim 23 (currently amended): [[The]] An information processor according to claim 22, wherein said close arrangement instructing unit performs [[any]] one of a close arrangement for closely arranging the logical pages on the same physical pages, and a back side close arrangement instruction for compactly arranging the logical pages on back sides of the same physical pages when the back sides of the same physical pages are unoccupied, [[and]]

wherein no instruction is made for a close arrangement by constantly changing the physical pages when original print jobs are different.

Claim 24 (currently amended): A method for generating printing data to be transmitted to a printer comprising:

a spooling an intermediate code conversion step of converting data to be printed which is generated by an application into a print job of an intermediate code format and temporarily storing the print job in association with print setting information for the data to be printed;

a composition instructing step of instructing a plurality of print jobs

~~corresponding to said different data to be printed~~ of the intermediate code format converted

in said intermediate code conversion step to be composed together so as to generate one

composed job; [[and]]

a ~~setting unifying~~ discrimination step of analyzing the print setting

information of [[a]] the plurality of print jobs stored in said intermediate code conversion

step when, in [[the]] said composition instructing step, the plurality of print jobs are

instructed to be composed together so as to obtain one composed job, and ~~generating print~~

~~setting information for the composed job in which information that can be respectively~~

~~merely set to one print job is unified~~ discriminating whether the plurality of print jobs have

a same print setting or different print settings for a certain print setting item for which each

print job is allowed to have one unique print setting;

a confirmation message display step of, if said discrimination step

discriminates that the plurality of print jobs have different print settings for the print setting

item, displaying a confirmation message indicating that the different print settings should

be unified to a common print setting; and

a setting unifier step of generating the print setting information for

the composed job based on the common print setting, after said confirmation message

display step displays the confirmation message.

Claim 25 (currently amended): [[The]] A method for generating printing

data according to claim 24, wherein said ~~setting unifying step further includes a~~

~~recognizing step of recognizing to select whether~~ discrimination step discriminates that the

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plurality of print jobs have different print settings for the print setting item, and said

confirmation message display step displays a confirmation message for selection between a

process in which the settings are unified [[or]] and a print process in which the print jobs

are not composed together ~~when the print setting information of a plurality of print jobs to~~

~~be composed together is respectively analyzed and the information which can be set only to~~

~~one print job is mutually different~~.

Claim 26 (currently amended): [[The]] A method according to claim 24,

wherein said ~~spooling step converts said data to be printed into the print job of intermediate~~

~~code format and~~ intermediate code conversion step temporarily stores the print job of the

intermediate code format as a page description file by a page unit.

Claim 27 (currently amended): [[The]] A method according to claim 26,

wherein information for designating the page description files laid out on a physical page is

added to the print setting information of [[said]] the composed job.

Claim 28 (currently amended): [[The]] A method according to claim 24,

wherein [[said]] the print setting information is temporarily stored as a print setting file of

each print job.

Claim 29 (currently amended): [[The]] A method according to claim 24,

further comprising a preview display controlling step of controlling a preview based on the

print setting information of [[said]] the print jobs or [[said]] the composed job to be displayed.

Claim 30 (currently amended): [[The]] A method according to claim 24, further comprising an order controlling step of operating [[a]] on the plurality of print jobs in the composed job to reshuffle the order of the print jobs.

Claim 31 (currently amended): [[The]] A method according to claim 24, further comprising a job cancelling step of operating [[a]] on the plurality of print jobs in [[said]] the composed job to cancel a specific print job.

Claim 32 (currently amended): [[The]] A method according to claim 24, further comprising a job dividing step of dividing [[said]] the composed job into a plurality of print jobs before they are joined together.

Claim 33 (currently amended): [[The]] A method according to claim 24, further comprising a job duplicating step of designating [[said]] the print job or [[said]] the composed job to prepare the duplication of the designated print job..

Claim 34 (currently amended): [[The]] A method according to claim 26, wherein said print job or said composed job further includes comprising a setting initializing step of returning the intermediate code format as the base of the job to an initial state upon preparation of the data on the basis of the print setting information.

Claim 35 (currently amended): [[The]] A method according to claim 24,

further comprising a page editing step of cancelling a page designated relative to a logical

page in [[said]] the print job or [[said]] the composed job.

Claim 36 (currently amended): [[The]] A method according to claim 26,

further comprising a printing data generating step of generating the printing data to be

transmitted to [[said]] the printer on the basis of the data of the intermediate code format

which is temporarily stored in said spooling intermediate code conversion step.

Claim 37 (currently amended): [[The]] A method according to claim 36,

further comprising:

a description instruction generating step of converting the data of the

intermediate code format temporarily stored in said spooling intermediate code conversion

step into a description instruction which can be interpreted in the description step of an OS

and outputting the converted data; and

a print instruction allocating step of sending a print instruction

received through the description step of the OS from [[said]] the application to said

intermediate data converting step and sending the print instruction received through the

description step of the OS from said description instruction generating step to said printing

data generating step.

Claim 38 (currently amended): [[The]] A method according to claim 37, wherein [[said]] the description instruction is a GDI function, and [[said]] the print instruction is a DDI function and [[said]] the printing data is a printer language.

Claim 39 (currently amended): [[The]] A method according to claim 24, further comprising a composed job information generating step of generating the layout information of [[said]] the composed job on the basis of the layout information of a plurality of print jobs when said composition instructing step instructs [[a]] the plurality of print jobs to be composed together so as to have one composed job.

Claim 40 (currently amended): [[The]] A method according to claim 39, wherein said composed job information generating step generates the layout information of [[said]] the composed job for each physical page on the basis of the layout information of [[a]] the plurality of print jobs.

Claim 41 (currently amended): [[The]] A method according to claim 39, further comprising a layout unification instructing step of instructing the layout information of [[said]] the composed job to be unified, wherein said composed job information generating step unifies the layout information of the composed job by all the physical pages when said layout unification instructing step instructs the layout information to be unified.

Claim 42 (currently amended): [[The]] A method according to claim 41, wherein said composed job information generating step unifies the layout information of [[said]] the composed job to prescribed layout information.

Claim 43 (currently amended): [[The]] A method according to claim 41, wherein said composed job information generating step unifies the layout information of [[said]] the composed job to the layout information of the print job corresponding to a first physical page in [[said]] the composed job.

Claim 44 (currently amended): [[The]] A method according to claim 39, wherein said composed job information generating step counts the number of logical pages of [[said]] the composed job and determines the arrangement of the logical pages in the physical pages for each physical page on the basis of the layout information.

Claim 45 (currently amended): [[The]] A method according to claim 44, further comprising a close arrangement instructing step of instructing the logical pages of each print job to be closely arranged in [[said]] the composed job,

wherein said composed job information generating step determines to closely arrange the logical pages in the physical pages when a close arrangement is instructed by said close arrangement instructing step.

Claim 46 (currently amended): [[The]] A method according to claim 45, wherein said close arrangement instructing step performs [[any]] one of a close

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arrangement for closely arranging the logical pages on the same physical pages, and a back

side close arrangement instruction for compactly arranging the logical pages on back sides

of the same physical pages when the back sides of the same physical pages are unoccupied,

[[and]]

wherein no instruction for a close arrangement by constantly

changing the physical pages when original print jobs are different.

Claim 47 (currently amended): A computer-readable memory medium

which stores a printing data generating program for generating printing data to be

transmitted to a printer, the program comprising:

~~a spool program~~ code for an intermediate code conversion step of

converting data to be printed which is generated by an application into a print job of an

intermediate code format and temporarily storing the print job in association with print

setting information for the data to be printed;

~~a composition instructing program~~ code for a composition

instructing step of instructing a plurality of print jobs ~~corresponding to the different data to~~

~~be printed~~ of the intermediate code format converted by said code for an intermediate code

conversion step to be composed together so as to generate one composed job; [[and]]

~~a setting unifying program~~ code for a discrimination step of

analyzing the print setting information of [[a]] the plurality of print jobs stored by said code

for an intermediate code conversion step when [[the]] said code for a composition

instructing ~~program code~~ step instructs the plurality of print jobs to be composed together

so as to obtain one composed job, and ~~generating print setting information for the~~

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~~composed job in which information that can be respectively merely set to one print job is~~ ~~unified~~ <u>discriminating whether the plurality of print jobs have a same print setting or different print settings for a certain print setting item for which each print job is allowed to have one unique print setting;</u>

<u>code for a confirmation message display step of, if said code for a discrimination step discriminates that the plurality of print jobs have different print settings for the print setting item, displaying a confirmation message indicating that the different print settings should be unified to a common print setting; and</u>

<u>code for a setting unifier step of generating the print setting information for the composed job based on the common print setting after said code for a confirmation message display step displays the confirmation message.</u>

Claim 48 (currently amended): [[The]] <u>A</u> memory medium according to claim 47, wherein said ~~setting unifying program~~ code <u>for a discrimination step discriminates that the plurality of print jobs have different print setting for the print setting item, said code for a confirmation message display step displays a confirmation message for selection between a process in which the settings are unified and a process in which the print jobs are not composed together</u> ~~further includes a recognizing step of recognizing to select whether the settings are unified or the print jobs are not composed together when the print setting information of a plurality of print jobs to be composed together is respectively analyzed and the information which can be set only to one print job is mutually different.~~

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Claim 49 (currently amended): [[The]] A memory medium according to claim 47, wherein said ~~spool program code converts said data to be printed into the print job of intermediate code format and~~ code for an intermediate code conversion step temporarily stores the print job of the intermediate code format as a page description file by a page unit.

Claim 50 (currently amended): [[The]] A memory medium according to claim 49, wherein information for designating the page description files laid out on a physical page is added to the print setting information of [[said]] the composed job.

Claim 51 (currently amended): [[The]] A memory medium according to claim 47, ~~herein said~~ wherein the print setting information is temporarily stored as a print setting file of each print job.

Claim 52 (currently amended): [[The]] A memory medium according to claim 47, further comprising a preview display controlling step of controlling a preview based on the print setting information of [[said]] the print jobs or [[said]] the composed job to be displayed.

Claim 53 (currently amended): [[The]] A memory medium according to claim 47, further comprising code for an order controlling step of operating [[a]] on the plurality of print jobs in the composed job to reshuffle the order of the print jobs.

Claim 54 (currently amended): [[The]] A memory medium according to claim 47, further comprising code for a job cancelling step of operating [[a]] on the plurality of print jobs in [[said]] the composed job to cancel a specific print job.

Claim 55 (currently amended): [[The]] A memory medium according to claim 47, further comprising code for a job dividing step of dividing [[said]] the composed job into a plurality of print jobs before they are joined together.

Claim 56 (currently amended): [[The]] A memory medium according to claim 47, further comprising code for a job duplicating step of designating [[said]] the print job or [[said]] the composed job to prepare the duplication of the designated print job.

Claim 57 (currently amended): [[The]] A memory medium according to claim 49, wherein said print job or said composed job further includes comprising code for a setting initializing step of returning the intermediate code format as the base of the job to an initial state upon preparation of the data on the basis of the print setting information.

Claim 58 (currently amended): [[The]] A memory medium according to claim 47, further comprising code for a page editing step of cancelling a page designated relative to a logical page in [[said]] the print job or [[said]] the composed job.

Claim 59 (currently amended): [[The]] A memory medium according to claim 49, further comprising code for a printing data generating step of generating the

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printing data to be transmitted to [[said]] the printer on the basis of the data of the

intermediate code format which is temporarily stored [[in]] by said ~~spool program~~ code for

an intermediate code conversion step.

Claim 60 (currently amended): [[The]] A memory medium according to

claim 59, further comprising:

code for a description instruction generating step of converting the

data of the intermediate code format temporarily stored [[in]] by said ~~spool program~~ code

for an intermediate code conversion step into a description instruction which can be

interpreted in the description step of an OS and outputting the converted data; and

code for a print instruction allocating step of sending a print

instruction received through the description step of the OS from [[said]] the application to

said code for an intermediate data converting step and sending the print instruction

received through the description step of the OS from said code for a description instruction

generating step to said code for a printing data generating step.

Claim 61 (currently amended): [[The]] A memory medium according to

claim 60, wherein [[said]] the description instruction is a GDI function, and [[said]] the

print instruction is a DDI function and [[said]] the printing data is a printer language.

Claim 62 (currently amended): [[The]] A memory medium according to

claim 47, further comprising code for a composed job information generating step of

generating the layout information of [[said]] the composed job on the basis of the layout

information of a plurality of print jobs when said <u>code for a</u> composition instructing step instructs a plurality of print jobs to be composed together so as to have one composed job.

Claim 63 (currently amended): [[The]] <u>A</u> memory medium according to claim 62, wherein said <u>code for a</u> composed job information generating step generates the layout information of [[said]] <u>the</u> composed job for each physical page on the basis of the layout information of a plurality of print jobs.

Claim 64 (currently amended): [[The]] <u>A</u> memory medium according to claim 62, further comprising <u>code for</u> a layout unification instructing step of instructing the layout information of [[said]] <u>the</u> composed job to be unified, wherein said <u>code for a</u> composed job information generating step unifies the layout information of the composed job by all the physical pages when said <u>code for a</u> layout unification instructing step instructs the layout information to be unified.

Claim 65 (currently amended): [[The]] <u>A</u> memory medium according to claim 64, wherein said <u>code for a</u> composed job information generating step unifies the layout information of [[said]] <u>the</u> composed job to prescribed layout information.

Claim 66 (currently amended): [[The]] <u>A</u> memory medium according to claim 64, wherein said <u>code for a</u> composed job information generating step unifies the layout information of [[said]] <u>the</u> composed job to the layout information of the print job corresponding to a first physical page in [[said]] <u>the</u> composed job.

Claim 67 (currently amended): [[The]] A memory medium according to claim 62, wherein said code for a composed job information generating step counts the number of logical pages of [[said]] the composed job and determines the arrangement of the logical pages in the physical pages for each physical page on the basis of the layout information.

Claim 68 (currently amended): [[The]] A memory medium according to claim 67, further comprising code for a close arrangement instructing step of instructing the logical pages of each print job to be closely arranged in [[said]] the composed job,

wherein said code for a composed job information generating step determines to closely arrange the logical pages in the physical pages when a close arrangement is instructed by said code for a close arrangement instructing step.

Claim 69 (currently amended): [[The]] A memory medium according to claim [[45]] 68, wherein said code for a close arrangement instructing step performs [[any]] one of a close arrangement for closely arranging the logical pages on the same physical pages, and a back side close arrangement instruction for compactly arranging the logical pages on back sides of the same physical pages when the back sides of the same physical pages are unoccupied, [[and]]

wherein no instruction is made for a close arrangement by constantly changing the physical pages when original print jobs are different.

Claim 70 (currently amended):   A printing data generating program for generating printing data to be transmitted to a printer, said program comprising:

~~a spool program~~ code for an intermediate code conversion step of converting data to be printed which is generated by an application into a print job of an intermediate code format and temporarily storing the print job in association with print setting information for the data to be printed;

~~a composition instructing program~~ code for a composition instructing step of instructing a plurality of print jobs ~~corresponding to the different data to be printed~~ of the intermediate code format converted by said code for an intermediate code conversion step to be composed together so as to generate one composed job; [[and]]

~~a setting unifying program~~ code for a discrimination step of analyzing the print setting information of [[a]] the plurality of print jobs stored by said code for an intermediate code conversion step when [[the]] said code for a composition instructing ~~program code~~ step instructs the plurality of print jobs to be composed together so as to obtain one composed job, and ~~generating print setting information for the composed job in which information that can be respectively merely set to one print job is unified~~ discriminating whether the plurality of print jobs have a same print setting or different print settings for a certain print setting item for which each print job is allowed to have one unique print setting;

code for a confirmation message display step of, if said code for a discrimination step discriminates that the plurality of print jobs have different print settings for the print setting item, displaying a confirmation message indicating that the different print settings should be unified to a common print setting; and

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code for a setting unifier step of generating the print setting

information for the composed job based on the common print setting after said code for a

confirmation message display step displays the confirmation message.

Claim 71 (currently amended): [[The]] A printing data generating program

according to claim 70, wherein said ~~setting unifying program~~ code for a discrimination step

discriminates that the plurality of print jobs have different print setting for the print setting

item, said code for a confirmation message display step displays a confirmation message

for selection between a process in which the settings are unified and a process in which the

print jobs are not composed together ~~further includes a recognizing step of recognizing to~~

~~select whether the settings are unified or the print jobs are not composed together when the~~

~~print setting information of a plurality of print jobs to be composed together is respectively~~

~~analyzed and the information which can be set only to one print job is mutually different~~.

Claim 72 (currently amended): [[The]] A printing data generating program

according to claim 70, wherein said ~~spool program code converts said data to be printed~~

~~into the print job of intermediate code format and~~ code for an intermediate code conversion

step temporarily stores the print job of the intermediate code format as a page description

file by a page unit.

Claim 73 (currently amended): [[The]] A printing data generating program

according to claim 72, wherein information for designating the page description files

laid out on a physical page is added to the print setting information of [[said]] the composed job.

Claim 74 (currently amended): [[The]] A printing data generating program according to claim 70, herein said wherein the print setting information is temporarily stored as a print setting file of each print job.

Claim 75 (currently amended): [[The]] A printing data generating program according to claim 70, further comprising a preview display controlling step of controlling a preview based on the print setting information of [[said]] the print jobs or [[said]] the composed job to be displayed.

Claim 76 (currently amended): [[The]] A printing data generating program according to claim 70, further comprising code for an order controlling step of operating [[a]] on the plurality of print jobs in the composed job to reshuffle the order of the print jobs.

Claim 77 (currently amended): [[The]] A printing data generating program according to claim 70, further comprising code for a job cancelling step of operating [[a]] on the plurality of print jobs in [[said]] the composed job to cancel a specific print job.

Claim 78 (currently amended): [[The]] A printing data generating program according to claim 70, further comprising code for a job dividing step of dividing [[said]] the composed job into a plurality of print jobs before they are joined together.

Claim 79 (currently amended): [[The]] A printing data generating program according to claim 70, further comprising code for a job duplicating step of designating [[said]] the print job or [[said]] the composed job to prepare the duplication of the designated print job.

Claim 80 (currently amended): [[The]] A printing data generating program according to claim 72, ~~wherein said print job or said composed job~~ further ~~includes~~ comprising code for a setting initializing step of returning the intermediate code format as the base of the job to an initial state upon preparation of the data on the basis of the print setting information.

Claim 81 (currently amended): [[The]] A printing data generating program according to claim 70, further comprising code for a page editing step of cancelling a page designated relative to a logical page in [[said]] the print job or [[said]] the composed job.

Claim 82 (currently amended): [[The]] A printing data generating program according to claim 72, further comprising code for a printing data generating step of generating the printing data to be transmitted to [[said]] the printer on the basis of the data

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of the intermediate code format which is temporarily stored [[in]] by said ~~spool program~~

code for an intermediate code conversion step.

Claim 83 (currently amended): [[The]] A printing data generating program

according to claim 82, further comprising:

code for a description instruction generating step of converting the

data of the intermediate code format temporarily stored [[in]] by said ~~spool program~~ code

for an intermediate code conversion step into a description instruction which can be

interpreted in the description step of an OS and outputting the converted data; and

code for a print instruction allocating step of sending a print

instruction received through the description step of the OS from [[said]] the application to

said code for an intermediate data converting step and sending the print instruction

received through the description step of the OS from said code for a description instruction

generating step to said code for a printing data generating step.

Claim 84 (currently amended): [[The]] A printing data generating program

according to claim 83, wherein [[said]] the description instruction is a GDI function, and

[[said]] the print instruction is a DDI function and [[said]] the printing data is a printer

language.

Claim 85 (currently amended): [[The]] A printing data generating program

according to claim 70, further comprising code for a composed job information generating

step of generating the layout information of [[said]] the composed job on the basis of the

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layout information of a plurality of print jobs when said <u>code for a</u> composition instructing

step instructs a plurality of print jobs to be composed together so as to have one composed

job.

Claim 86 (currently amended): [[The]] <u>A</u> printing data generating program

according to claim 85, wherein said <u>code for a</u> composed job information generating step

generates the layout information of [[said]] <u>the</u> composed job for each physical page on the

basis of the layout information of a plurality of print jobs.

Claim 87 (currently amended): [[The]] <u>A</u> printing data generating program

according to claim 85, further comprising <u>code for</u> a layout unification instructing step of

instructing the layout information of [[said]] <u>the</u> composed job to be unified, wherein said

<u>code for a</u> composed job information generating step unifies the layout information of the

composed job by all the physical pages when said <u>code for a</u> layout unification instructing

step instructs the layout information to be unified.

Claim 88 (currently amended): [[The]] <u>A</u> printing data generating program

according to claim 87, wherein said <u>code for a</u> composed job information generating step

unifies the layout information of [[said]] <u>the</u> composed job to prescribed layout

information.

Claim 89 (currently amended): [[The]] <u>A</u> printing data generating program

according to claim 87, wherein said <u>code for a</u> composed job information generating step

unifies the layout information of [[said]] the composed job to the layout information of the

print job corresponding to a first physical page in [[said]] the composed job.

Claim 90 (currently amended): [[The]] A printing data generating program

according to claim 75, wherein said code for a composed job information generating step

counts the number of logical pages of [[said]] the composed job and determines the

arrangement of the logical pages in the physical pages for each physical page on the basis

of the layout information.

Claim 91(currently amended): [[The]] A printing data generating program

according to claim 90, further comprising code for a close arrangement instructing step of

instructing the logical pages of each print job to be closely arranged in [[said]] the

composed job,

          wherein said code for a composed job information generating step

determines to closely arrange the logical pages in the physical pages when a close

arrangement is instructed by said code for a close arrangement instructing step.

Claim 92 (currently amended): [[The]] A printing data generating program

according to claim 91, wherein said code for a close arrangement instructing step performs

[[any]] one of a close arrangement for closely arranging the logical pages on the same

physical pages, and a back side close arrangement instruction for compactly arranging the

logical pages on back sides of the same physical pages when the back sides of the same

physical pages are unoccupied, [[and]]

wherein no instruction <u>is made</u> for a close arrangement by constantly

changing the physical pages when original print jobs are different.